1	SELECTIVELY ENGAGEABLE HUB TO SHAFT CONNECTION	32	WITH AMBIENT CONDITION RESPONSIVE CONTROL MEANS
2	INCLUDING FRANGIBLE COMPONENT	33	WITH INDEPENDENT HANDLE OR
3	SELECTIVELY ASSEMBLED, E.G.,		OPERATOR
	CONVERTIBLE, ETC.	34	WITH DISTINCT FLUID OR ARTICLE
4	.Selective orientation		HANDLING OR DIRECTING FEATURE
5	INFLATABLE CONNECTOR	35	.External reservoir
6	WITH OPENING FOR ACCESS TO	36	.Pressure fitting
O .	CONNECTOR OR OPERATOR	37	.Including port or reservoir
7	.To threaded component		communicating with joint
8	Transverse to thread axis	38	Articulated member
9	.To biased component	39	At joint interface
10	CLOSURE OR PLUG SPACED FROM JOINT	40	NON-ADHERING FLUENT MATERIAL AT
11	WITH ADJUNCTIVE PROTECTOR, BROKEN		JOINT
_	PARTS RETAINER, REPAIR,	41	WITH STRAIN-LIMITING MEANS
	ASSEMBLY OR DISASSEMBLY	42	COMBINED
	FEATURE	43	ROTARILY CONNECTED,
12	.Holding means or protector		DIFFERENTIALLY TRANSLATABLE
12	functioning only during		MEMBERS, E.G., TURN-BUCKLE,
	transportation, assembly or		ETC.
	disassembly	44	.Having tool-engaging means or
13	.Position or guide means		operating handle
14	Related to joint component	45	.Having operating mechanism
15	.Utilizing fluid pressure	46	.Having locking means
16	.Back-off means, e.g., separator,	47	.Differential pitch, similar hand
10	etc.	48	.Externally threaded actuator
17	.Handle or handwheel	49	LATERALLY RELATED MEMBERS
18	Actuates retainer or blocker		CONNECTED BY LATCH MEANS,
19	Actuates retainer of brocker .Tool-engaging or accommodating		E.G., SCAFFOLD CONNECTORS
19	means or with tool	50	FLEXIBLE DIAPHRAGM OR BELLOWS
20	For latch or retainer	51	.With additional connection or
21	. Releasably captive nut or bolt		packing
21 22	.Means to lock bolt or nut when	52	ARTICULATED MEMBERS
Z Z		53	.Plural distinct articulation
1 2	other is turned		axes
23	WITH ADJUNCTIVE SHIELD	54	Three or more parallel axes
24	STRUCTURALLY INSTALLED IN DIVERSE	55	Single adjustment for plural
0 F	ART DEVICE	33	axes
25	.Head or base	56	Plural ball and socket
26	COUPLING SUPPORTED BY INDEPENDENT	57	Universal
0.7	BEARING	58	Non-coplanar axes
27	WITH INDICATOR OR INSPECTION	59	Angular and linear
0.0	MEANS	60	Screw and swivel
28	UTILIZING THERMAL CHARACTERISTIC,	61	Pivot stud slidable in
	E.G., EXPANSION OR	01	elongated opening
20	CONTRACTION, ETC.	62	Parallel rotary
29	.Interposed material of	63	Plural translating connections
	intermediate coefficient of	64	Prurar translating connections .Branched
30	expansion .Members having different	65	.Member pivoted at rigid corner
J ()	coefficients of expansion	66	.Including static joint
21	WITH FLUID PRESSURE RESPONSIVE	67	
31	COMPONENT	0 /	Trunnion assembly to side of rod
	COMEOMEMI	68	One member is plate or side
		~ ~	· · · · · · · · · · · · · · · · · · ·

69	Secant, i.e., rod extending through plate	102	Members locked in axial alignment
70	Plate or side forms bearing	103	Plural distinct positions
	surface	104	Plural distinct positions
71	Bearing component clamped to plate or side, e.g., bolted,	105	Unidirectional movement, e.g., ratchet, etc.
	etc.	106	At least one discrete position
72	Articulate joint intermediate	107	Step-by-step adjustment
	end joints	108	Retainer extends through
73	Variable angle		aligned recesses
74	Universal	109.1	Telescoping members
75	Angled or offset members	109.2	Having detent
76	Articulate joint is ball and	109.3	Spring biased
	socket	109.4	Threaded
77	With threaded joint	109.5	Cam or wedge
78	Articulate joint is a swivel	109.6	Having transverse pin
79	Articulate joint comprises	109.7	Remotely actuated
	pivoted clevis or channel bar	109.8	Self-locking
80	Articulate joint is a slide	110	Clamped members
81	.Including operator	111	.Rotatable members resiliently
82	.Arcuate shank moves in	+ ++	biased to one position
-	complementary guide	112	.Including limit means
83	.Lockable at fixed position	113	For pivotal motion
84	At selected angle	114	Ball and socket with
85	Movable brace between members	114	restricted movement about one
86	Members rotatable about		axis
00	oblique axes	115	Ball stud passes through
87	Clamping screw traverses	113	confining opening
07	sliding complementary arcuate	116	Pin and slot
	bearing surfaces	117	
88	Securing yoke or ring spaced	118	Opposed stops on one member .Threaded interface
00	radially from locking means	119	.Pivoted
89	Eyebolt	120	
90	Ball and socket	120	Including circumferential
91	Including pivot stud	121	biasing or damping means
92	Including radially spaced	121	Rocking or rolling contactUniversal ball and socket
22	detent or latch component	123	
93	Engaging notch or recess in		Including internal tie means
<i>J J</i>	outer periphery of component	124	Plural concave surfaces with
94	Side of rod engages recess	105	diverse curvature
フェ	in radial face	125	Interposed concavo-convex component
95	Pivoted detent	126	Outer surfaces
96	Engaging recess in radial	127	Swiveled ball parts or seat
	face	128	Composite ball
97	Including radial	129	Spring biased segments
	interengaging tongue and slot	130	Nonmetallic part
	or serrations	131	Stud extends into ball
98	Radially spaced arcuate slot	132	Elastomerically biased or
	engages fastener	132	backed components
99	Locked by plural motions of	133	Elastomeric seat
	one member	134	Externally packed
100	Including bridging keeper	135	Including liner, shim, or
101	Locked by nesting parts	100	discrete seat
			arberede beat

136	Spring acts through wedging surfaces	173	Plural pairs of axially aligned members
137	Variably preloaded	174	Coplanar
138	Spring-biased seat opposite	175	Additional rod held by
130	ball stud	1,5	encompassing means
139	Porous	176	.Polyhedral
140	Completely spacing the	177	.Parallel rods
110	members	178	.Coplanar
141	Divided socket-type coupling	179	DIVERSE MATERIAL COUPLING MEMBER
142	Bifurcated socket	180	THREE OR MORE SERIAL JOINTS, AT
143	Separable socket sections	100	LEAST ONE DIVERSE
144	Spring-biased	181	.Nonaligned axes
145	Including tension or take-up	182	.Separable intermediate joint
115	means	183	Axially acting connector
146	Interposed spring means	184	Screw or cam
110	coaxial with pivot	185	JOINT INVOLVING PLURAL LAYERS OF
147	Acting through tapered surface	100	SINGLE ROD
	on bearing component	186	LATERALLY RELATED RODS
148	Manually variable	100	INDEPENDENTLY JOINED TO
149	External of bearing assembly,		TRANSVERSE SURFACE
117	e.g., antirattler, etc.	187	ROD TO MEMBER TO SIDE, E.G.,
150	T-pivot, e.g., wrist pin, etc.		PLATE, ROD SIDE, ETC.
151	Floating pin	188	.Rod side to member to side
152	Pin is integral with or	189	.Unilateral of side
	secured to inner member	190	.Arcuate or multiplanar side
153	Expanded pin or end	191	Encompassed side
154	Including distinct pin	192	.Intermediate member includes
	retainer	-7-	tubular part
155	Unitary clip or plug	193	Side or tubular part deformed
156	Threaded pin end		in situ
157	Fork and tongue	194	Intermediate member extends
158	With interposed antifriction		through side
	means	195	Split or divided tubular part
159	Oppositely laterally movable		and coacting compressor
	tines	196	Transverse clamp secures rod
160	On oblique interface		and tubular part
161	Transverse pin or stud	197	Rod also extends through side
162	Traverses interposed facing	198	Oblique rod
	component	199	Intermediate member secured to
163	Attached to or integral with		side by radial flange
	one member	200	Internally threaded tubular
164	.Rotatable		part
165	Rod in socket	201	.Intermediate member extends
166	.Axially spring-biased coaxial		completely through side
	members	202	RADIALLY SPACED MEMBERS JOINED BY
167	TRANSVERSE ROD TO SPACED PLATE		INDEPENDENT COUPLING
	SURFACES	203	.Flexible intermediate member
168	.Retainer utilizes or abuts	204	COACTING CONNECTION BETWEEN INNER
	plural plates		MEMBER AND PLURAL PARTS OF
169	BRANCHED		OUTER MEMBER
170	.Three or more radiating members	205	RIGID ANGLE COUPLING, E.G., ELBOW
171	Polyhedral		OR U, ETC.
172	Unilateral of plane	206	AXIALLY CURVED OR BENT PORTION OF
			ROD IS JOINT COMPONENT
		207	.Interfitted crossing rods

208	.Joined to laterally related	244	.Socket formed by shaping or
	transverse surface at axially		deforming side
	spaced points	245	.Integral transverse projection
209	.Reversely bent portion		on side, e.g., necked, etc.
210	Around eye-forming thimble	246	From rod side
211	With wedge clamp	247	.Utilizing opposite sides of
212	Held by crimped collar		member
213	Open U	248	Rod is expanded by component
214	.Intertwisted ends		inserted from distal side
215	.End of rod is deflected	249	Separate and deformable
	laterally within connector		component
216	.Plural rods distorted by single	250	Plural contacting components
	component	251	Barbed component
217	THREE OR MORE MEMBERS CONNECTED	252	Inserted, blind-side-engaging,
	AT SINGLE LOCUS		retaining portion on rod
218	.All encompassed	253	Stepped or tapered recess in
219	.Mutually contacting		side
220	FLEXIBLY CONNECTED RIGID MEMBERS	254	Terminal, rod-attached
221	.Rigid sleeve encompasses		retainer engages distal side
	flexible bushing	255	Inserted into rod
222	Longitudinally divided sleeve	256	Clamped member
223	.Flexible sleeve-type coupling	257	Clamping component engages
224	.Connecting pin traverses		recessed side
	radially interposed elastomer	258	Bolted to rod
225	.Elastomer interposed between	259	Between rod shoulder and
	radially spaced members		terminal nut
226	Elastomer encompasses shoulder	260	Bolted through member
	on inner member	261	Coaxial collar or shoulder or
227	Including axially acting		rod is clamp element
	compressing means	262	.Flange on rod bolted to side
228	Composite bushing with	263	.Rod received in recessed side,
	elastomeric component		e.g., socket or tapered
229	.Helical spring type coupling		opening, etc.
230	ROD END TO TRANSVERSE SIDE OF	264	.Utilizing internal rod structure
	MEMBER	265	MOLDED JOINT
231	.Corner joint	266	.And independent connection
232.1	.Stirrup	267	.Including mechanical interlock
233	.Structure attached to rod end	268	.Socket or open cup for bonding
	encompasses side		material
234	Clamped saddle	269	.Member cast in situ
235	Yoke or ring	270	.Fusion bond, e.g., weld, etc.
236	Having radial screw at bight	271	Metallic fusion material
237	.Including saddle	272	Added bonding material, e.g.,
238	.Gland type		solder, braze, etc.
239	Rod and side gripped	273	SHRUNK FIT
	simultaneously by single	274	MEMBER DEFORMED IN SITU
	actuation	275	.Separating element between
240	.Rod clamped to hole edge		strands of member
241	.Rod to open edge of side, e.g.,	276	.Interposed deforming element
	wrap-around connection		contacts socket bottom
242	.Rod and side deformingly	277	.Inner member is expanded by
	interlocked		longitudinally inserted
243	.Radially interposed, side-		element
	engaging shim or bushing	278	.By separate, deformable element

279	.Deformation occurs simultaneously with action of separate, diverse function,	315	INCLUDING ANCILLARY MEANS BLOCKING DISCONNECTION OF JOINT
	joint component	316	.Blocker for assembled joint
280	.Deforming component is inserted		retainer
	section	317	Blocker keeper
281	.Separate deforming means remains	318	Blocked key
	with joint assembly	319	.Blocker is catch or key
282	.Deformation occurs	320	.Cam or thread lock
	simultaneously with assembly	321	MANUALLY RELEASEABLE LATCH TYPE
283	.By piercing	322.1	.Having operating mechanism
284	.Diverse resistance to lateral	322.2	Ball detent
	deforming force	322.3	Remotely actuated
285	.Both members deformed	322.4	Lever
286	BRIDGED BY DIVERSE CONNECTOR	323	.Swiveled bolt
287	INCLUDING SPACED, DIVERSE	324	.Transversely sliding pin
	CONNECTIONS	325	.Spring biased manipulator
288	INCLUDING DISTINCT PACKING	326	BIASED CATCH OR LATCH
289	SPLIT END WITH LATERALLY MOVABLE	327	
203	OPPOSED PORTIONS	327	.By separate spring
290	.With separate force-applying		Radially sliding catch
250	means	329	Leaf spring
291	FLEXIBLE MEMBER IS JOINT	330	.Pivoted
271	COMPONENT	331	SIDE SLIDE: ELONGATED CO-LINEAR
292	MEMBER ENDS JOINED BY INSERTED	222	MEMBERS
202	SECTION	332	ANNULAR RECESS IS JOINT COMPONENT
293	.Externally bridged	333	CONVERGENT INTERFACE
294	.Laterally inserted section	334	.Tapered
295	.Angle section	335	INTERCONNECTED FLANGES OR
296	Section threaded to member	225	SHOULDERS
297	.Expansible section	336	.Separate flange or shoulder
298	-	337	.Axially bolted or riveted
299	.Fluted or splined section	338	.Clamped
300	THREAD ADAPTOR	339	SCARF
300	DISTINCT END COUPLER	340	.Mirror images
	.Diverse serial connections	341	INTERFITTED MEMBERS WITH EXTERNAL
302	Axially cleft coupler		BRIDGING PIECE
303	.Single actuator for plural	342	THIMBLE: SCREW OR CAM
204	connections	343	SCREW OR CAM
304	Axially biased end portions	344	AXIALLY SPLIT OR SEPARABLE MEMBER
305	.Plural opposed sockets	345	INTERFITTED MEMBERS
306	.Separate screw or pin-type	346	.Crossed rods
205	connections	347	One rod is encompassed by the
307	.Continuous thread		other
308	.Having separable end caps or	348	.Lugged member, rotary engagement
	plugs	349	Bayonet joint
309	.Interrupted periphery, e.g.,	350	.Rotary binding cam or wedge
	split or segmental, etc.	351	Radially interposed shim or
310	Axially divided segments		bushing
311	Interfitting	352	Arcuate slip
312	Bolted	353	.Assembled by plural
313	Split		manipulations of member
314	.Including member wedging or	354	.Diametric end slot is joint
	camming means		component

255		250 6	
355	.Including separably interposed	379.6	Expansible retainer
256	key	380	For interfitted side faces
356	Axially extending	381	.Enlarged head in complementary
357	Resilient	200	recess, e.g., dovetail, etc.
358	Longitudinally stepped or	382	.Rigid angle
250 1	tapered	383	.Non-circular rod section is
359.1	.Longitudinally splined or fluted	204	joint component
250.2	rod	384	ROD SIDE TO PLATE OR SIDE
359.2	Splayed or having a cam surface	385	.Connected by double clamp
250.2	for anti-backlash	386	.Shackle is integral with or
359.3	Rod designed to be manipulable,		independently attached to
	e.g., twistable, within		proximate side of plate or other side
250 4	coupling for quick disconnect	207	
359.4	Including a means, e.g., spring	387	.Flanged or grooved rod
	biased portion, for	388	.Traversed by connector
359.5	misalignment correction	389	Laterally spaced rods
	Including a lock or retainer	390	By separable shim or bushing in
359.6	Specific angle or shape of rib,	201	connector
260	key, groove, or shoulder	391	Plural channels in connector
360	.Externally shouldered or headed	392	.Connected by flexible tie
2.61	rod	393	.Lapped rod ends
361	Socket	394	.Diagonal connector
362	.Including set screw	395	.One rod held between bight and
363	.Interfitted angle or channel		other rod extending through
264	bars	005	aperture in leg of connector
364	.Interdigitated ends	396	.Two rods encompassed by single
365	.Radially interposed shim or	0.00	connector
0.5.5	bushing	397	.Resilient clip
366	Biased by distinct radially	398	.Yoke or ring-type connector
0.65	acting means	399	Rod received in open channel
367	Wedging or camming	400	.Crossed rods
368	Engaged by axial movement	401	MITER JOINT
369	Plural, circumferentially	402	.Connector bridges inner or outer
0.70	related shims between members		periphery
370	Threaded actuator	403	RIGID ANGLE
371	Split or slotted bushing	404	PARTICULAR CONFIGURATION OR
372	Resilient		MATERIAL OF MEMBER
373	.Clamped members	408.1	HAVING A JOINING PIECE EXTENDING
374.1	By wedge or cam		THROUGH ALIGNED OPENINGS IN
374.2	Having actuator		PLURAL MEMBERS
374.3	Threaded actuator	409.1	HAVING A CAM, WEDGE, OR TAPERED
374.4	Axially oriented		PORTION
374.5	Lever actuator	410	MISCELLANEOUS
375	.Peripheral enlargement,		
	depression, or slot on one		
	member is joint component		
376	.Including discrete retainer	FOREIGN	ART COLLECTIONS
377	For telescoping members		
378	Transverse pin	FOR 000	CLASS-RELATED FOREIGN DOCUMENTS
379.1	Multiple retainers		
379.2	Having means to prevent		
	removal of retainer		
379.3	Bolt, rivet, or screw		
379.4	Wedge pin		
379.5	Sliding pin		

Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collections listed below. These Collections contain ONLY foreign patents or non-patent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

ARTICULATED MEMBERS

LOCKABLE AT FIXED POSITION

- FOR 100 .Telescoping members (403/109)
- FOR 101 .Having operating mechanism (403/ 322)
- FOR 102 ... By wedge or cam (403/374)

INTERFITTED MEMBERS

- .Including discrete retainer
- .. For telescoping members
- ...Transverse pin
- FOR 103 Traversing member (403/379)

DIGESTS

- DIG 1 MAGNETIC
- DIG 2 **METAL TREATMENT**
- DIG 3 LOAD-RESPONSIVE RELEASE
- DIG 4 QUICK RELEASE
- DIG 5 CARBON ELECTRODE
- DIG 6 RECIPROCABLE BALL DETENT
- DIG 7 SPLIT RING STOP OR ABUTMENT
- DIG 8 RADIALLY ACTING CAM OR ECCENTRIC
- DIG 9 ADJUSTABLE CLAMP
- DIG 10 READILY DISENGAGEABLE PANEL
- DIG 11 FURNITURE TYPE HAVING A SNAP FIT
- DIG 12 FURNITURE TYPE HAVING A ROTATABLE
 FASTENER OR FASTENING ELEMENT
 THAT TIGHTENS CONNECTION
- DIG 13 FURNITURE TYPE
- DIG 14 RESILIENT CINCH, LOCKING-CATCH OR RETAINER TYPE
- DIG 15 SPLICE PLATES FOR CO-LINEAR MEMBERS